

**In The Claims:**

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61 } 1. (Currently Amended) A warning system for a subject vehicle proximate a rear approaching vehicle comprising:

a camera generating a plurality of images;

an indicator;

a controller coupled to the indicator receiving the plurality of images, said controller generating a size and position signal for the plurality rear approaching vehicle from the plurality of images, said controller activating an indicator when a rear approach the rear approaching vehicle enters a blind spot as determined in response to said size and position signal.

2. (Original) A system as recited in claim 1 wherein said camera has a rear field of view adjacent to the blind spot.

3. (Original) A system as recited in claim 1 wherein said camera comprises a low light camera.

4. (Original) A system as recited in claim 1 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

5. (Original) A system as recited in claim 1 wherein said camera comprises a rear-facing camera.

6. (Original) A system as recited in claim 1 wherein said rear-facing camera is mounted to a rear panel of the subject vehicle.

7. (Currently Amended) A warning system for a blind spot of an automotive vehicle thereof comprising:

a camera generating a plurality of images;

an indicator; and

a controller coupled to the indicator receiving the plurality of images, said controller generating a size, a position and a track for a rear approaching vehicle from the plurality of images, said controller activating an indicator when a rear approach approaching vehicle enters a blind spot as determined in response to said size, track and position.

8. (Original) A system as recited in claim 7 wherein said camera has a rear field of view adjacent to the blind spot.

9. (Original) A system as recited in claim 7 wherein said camera comprises a low light camera.

10. (Original) A system as recited in claim 7 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

11. (Original) A system as recited in claim 7 wherein said camera comprises a rear-facing camera.

12. (Original) A system as recited in claim 7 wherein said rear-facing camera is mounted to a rear panel.

13. (Currently Amended) A method of warning of a vehicle within a blind spot comprising:

generating a plurality of images of an object;

determining a size and a position of the object from the plurality of images;

determining a transition of the object into the blind spot; and

generating a warning when the object enters the blind spot and in response to size of the object.

14. (Original) A method as recited in claim 13 further comprising determining a trajectory from the plurality of images of the object.

15. (Original) A method as recited in claim 13 wherein generating a plurality of images comprises generating a plurality of images from a camera.

16. (Original) A method as recited in claim 15 wherein said camera comprises a low light camera.

17. (Original) A method as recited in claim 15 wherein said camera comprises a rear-facing camera.

18. (Original) A method as recited in claim 13 wherein generating a warning comprises generating an audible warning.

19. (Original) A method as recited in claim 13 wherein generating a warning comprises generating a visual warning.

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contd.